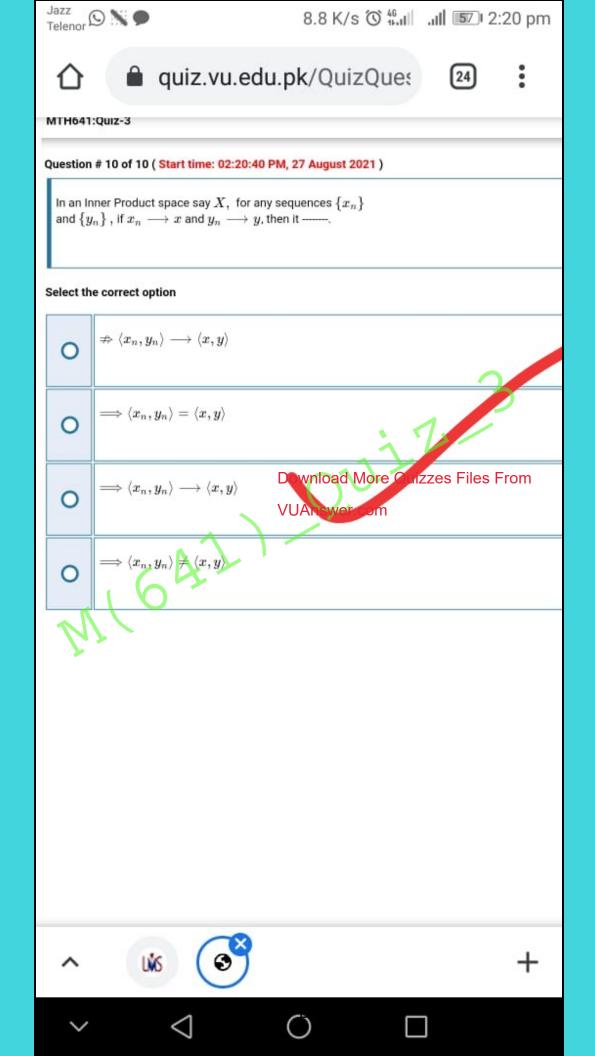
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MC200203056: MUHAMMAD FAIZAN BUTT Time Left 88 sec(s) MTH641:Quiz-3 Quiz Start Time: 02:27 PM, 27 August 2021
Question # 6 of 10 (Start time: 02:32:45 PM, 27 August 2021) Total Marks: 1 For an inner product space defined on a real vector space $\langle x, y \rangle =$ Total Marks: 1
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MC180403600: TOUSEEF UR REHMAN	Time Left 69 €
MTH641:Quiz-3	Quiz Start Time: 02:11 PM, 27 August 2021
Question # 8 of 10 (Start time: 02:19:22 PM, 27 August 2021)	Total Marks: 1
In an inner product space X over the field of Real numbers,for all $x,y \in X \setminus and \alpha \in Download More Quizzes$	
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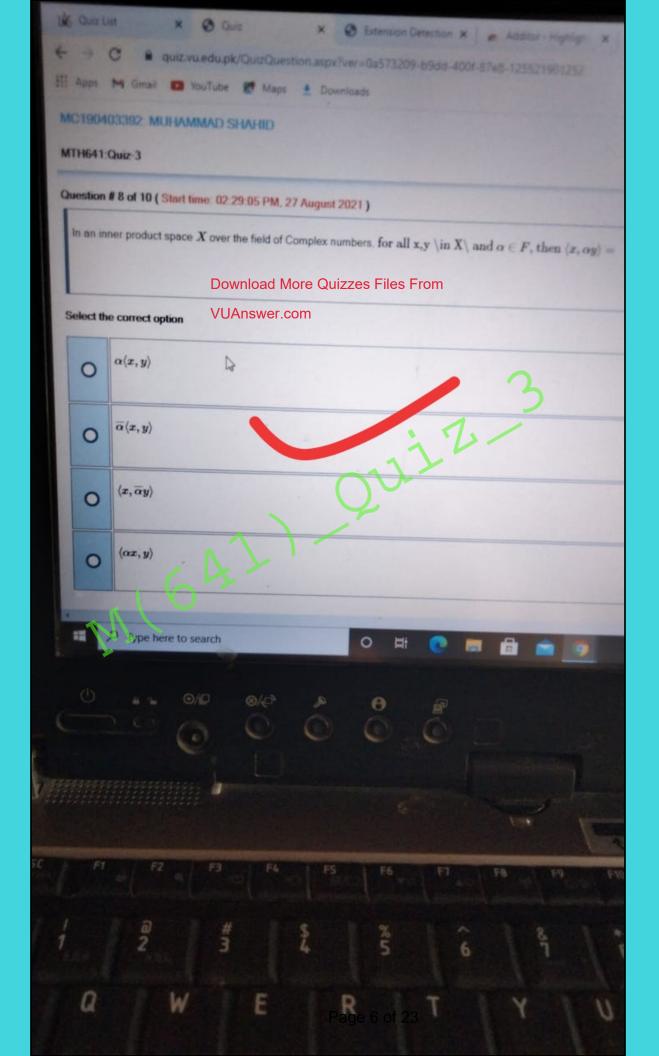


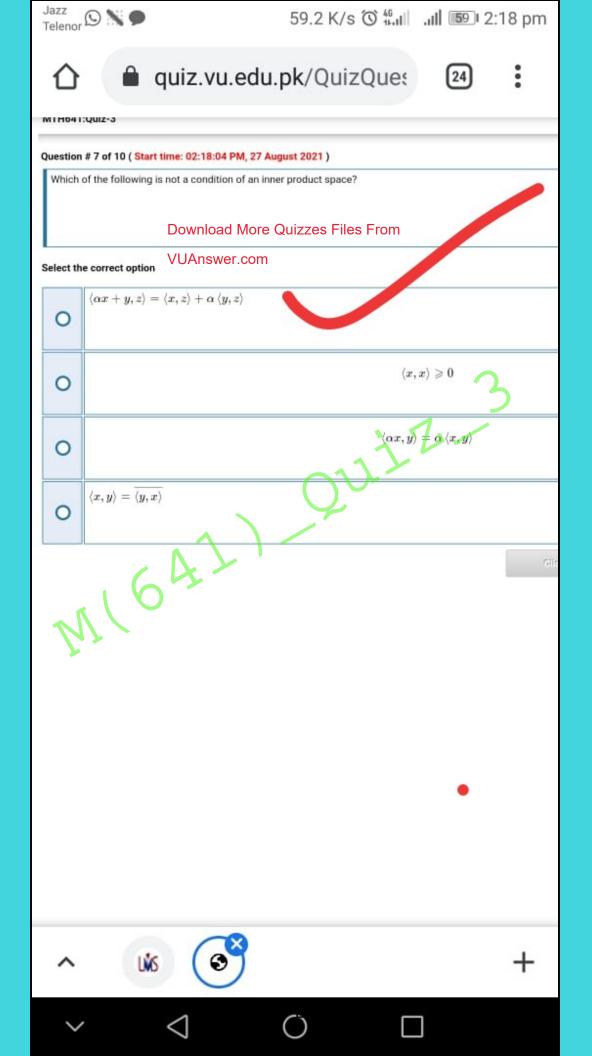
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	10 (Start time: 02:20:31 PM, 27 August 2021)	••••	Total Marks: 1
For a	n inner product space <x< td=""><td>+y,z>=</td><td></td></x<>	+y,z>=	
Select the corre	ect option		
0 <>	z,z> + <y,z></y,z>		3
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Question	# 10 of 10 (Start time: 02:21:25 PM, 27 August 2021)	2/		Total Marks: 1
In an in	Iner product space X over the field $F_i(x, z) = \langle y, z \rangle$ Download More Quizzes Files From			
Select th	e correct option VUAnswer.com		🗢 Role	oad Math Equations
0	\Rightarrow x=y, for some z \in X			
0	⇒x≠y, for all z∈X			
0	\Rightarrow x $ eq$ y, for all z $\in X$			
0	\Rightarrow x=y, for all z $\in X$			
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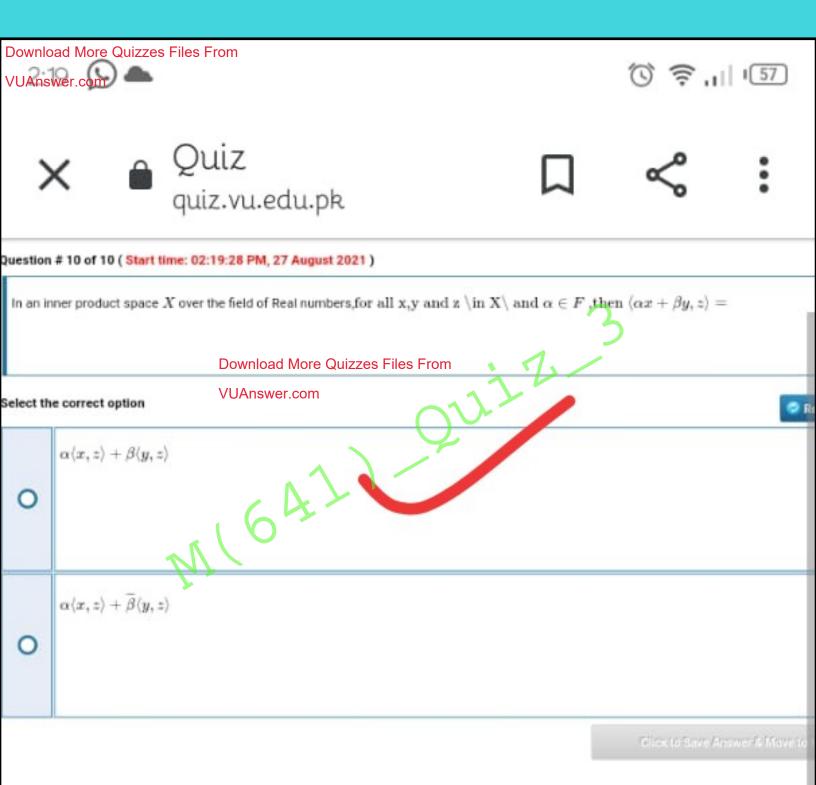


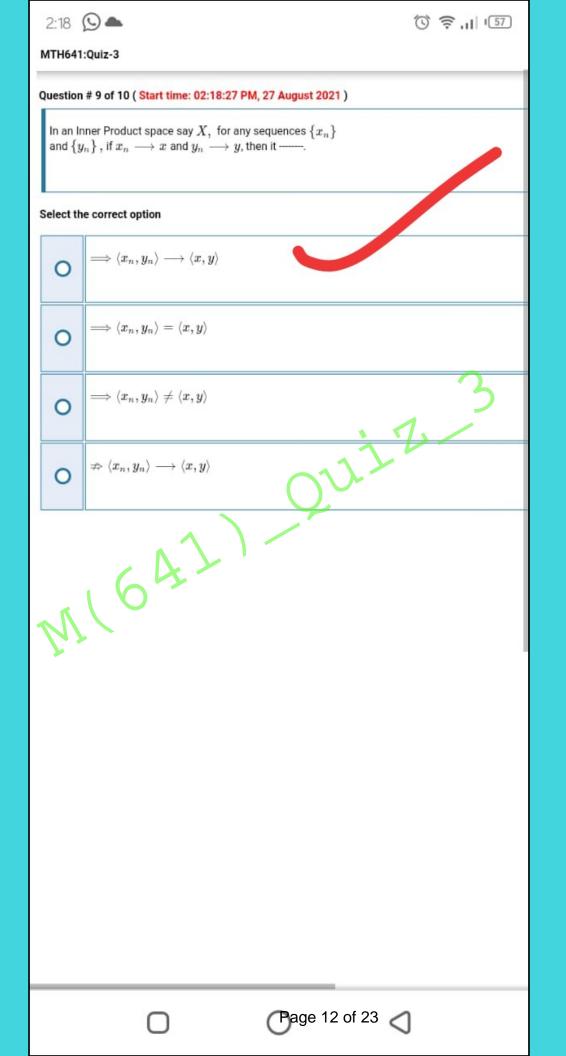


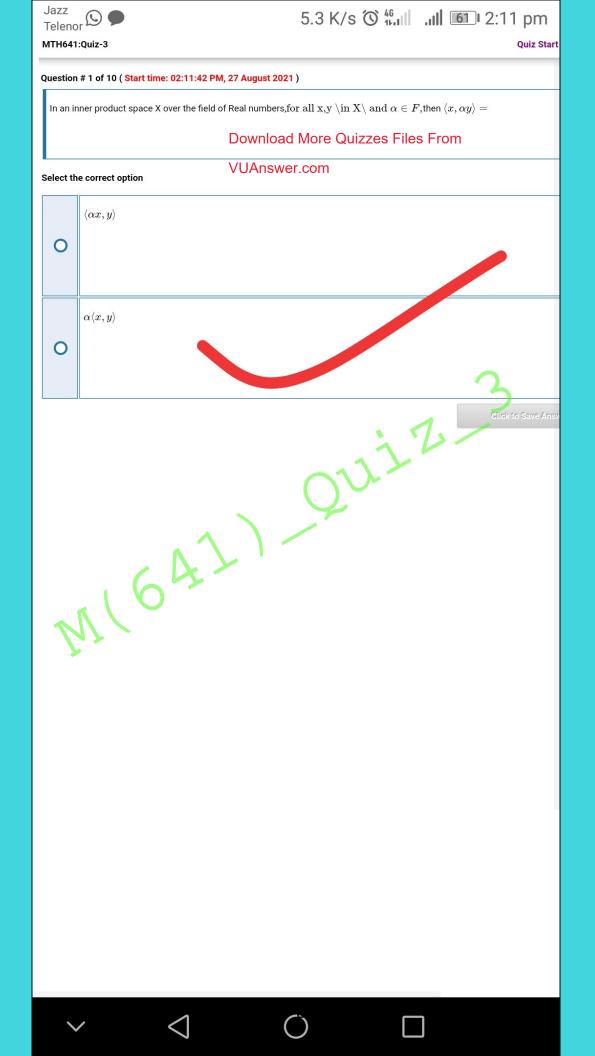
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Question	n # 8 of 10 (Start time: 02:17:5	4 PM, 27 August 20	21)		
Every	Inner produ	ct space is a metric	space with norm giv	ven by;		
Select t	he correct o	ption				
0	d(x, y) =	$= \ x - y\ $				
0	d(x, y) =	$=\sqrt{\langle x-y,x-y\rangle}$	5			2
0	All above	are equivalent			2-	
0	x-y	$=\sqrt{\langle x-y,x-y\rangle}$	\overline{y}			
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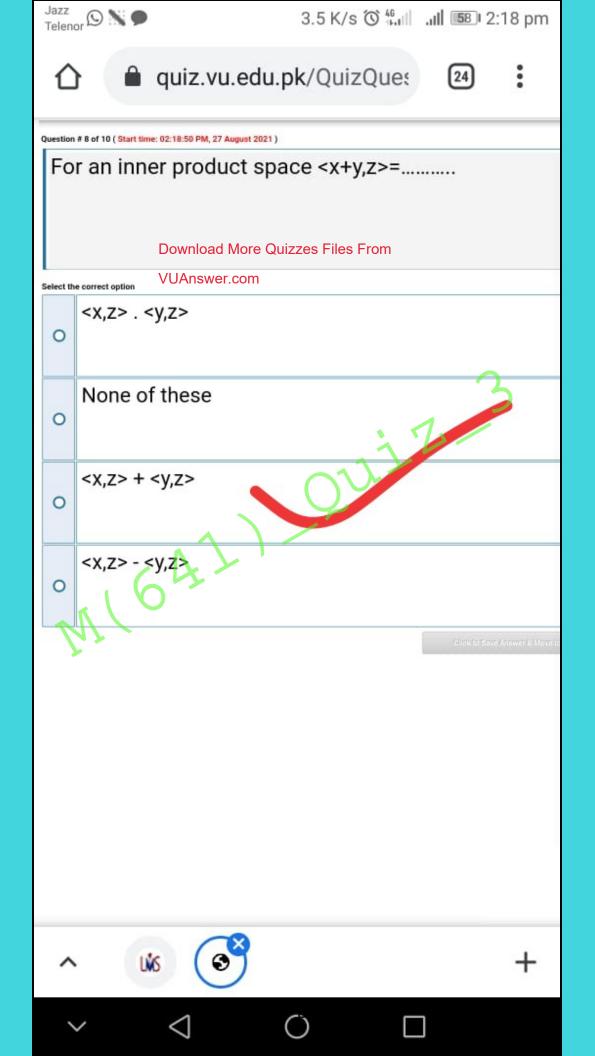
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MC180403600: TOUSEEF UR REHMAN	Time Left 81 🕑
MTH641:Quiz-3	Quiz Start Time: 02:11 PM, 27 August 2021
Question # 7 of 10 (Start time: 02:18:07 PM, 27 August 2021)	Total Marks: 1
For an element x belongs to an inner product space , $\langle x,x angle=\dots\dots$	
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less than 0	
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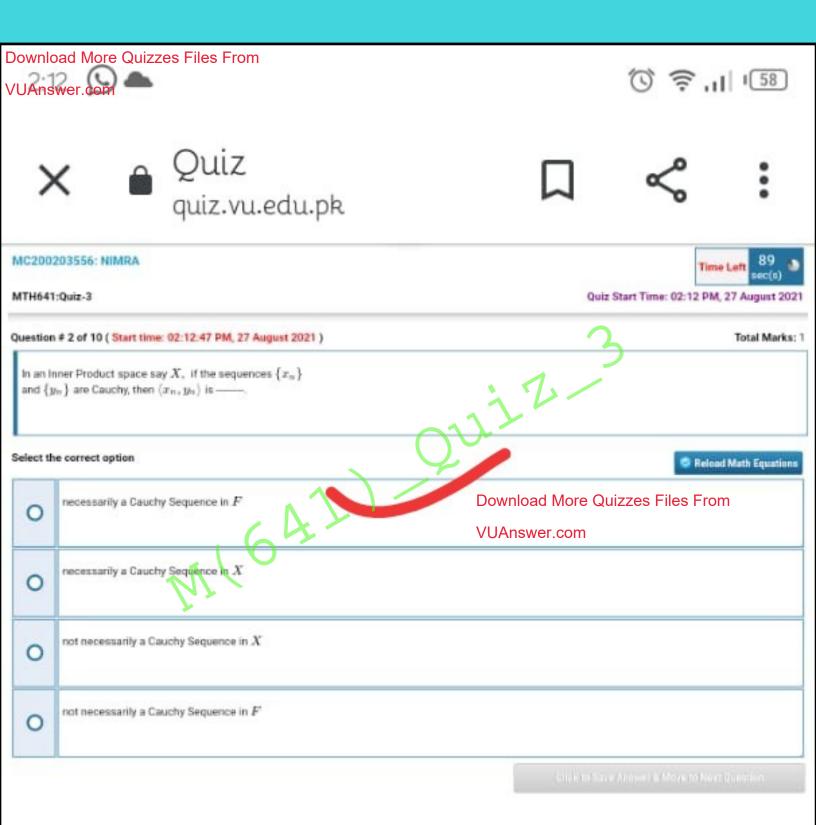






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Question	n # 1 of 10 (Start time: 02:05:57 PM, 27 August 2021)
Every	complete Inner product space is Download More Quizzes Files From
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Select ti	he correct option
0	Euclidean space
0	Banach space
0	Hilbert space
0	Complex space
	and Anne 1
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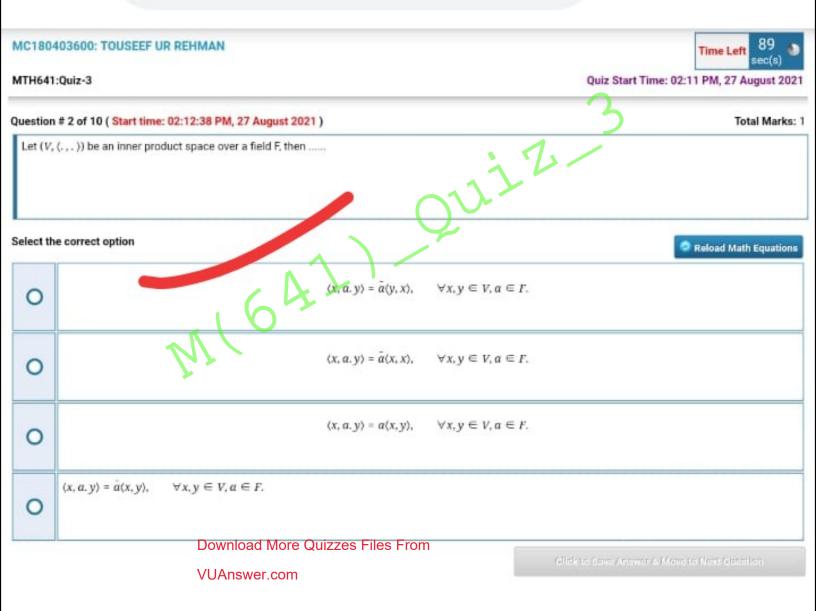


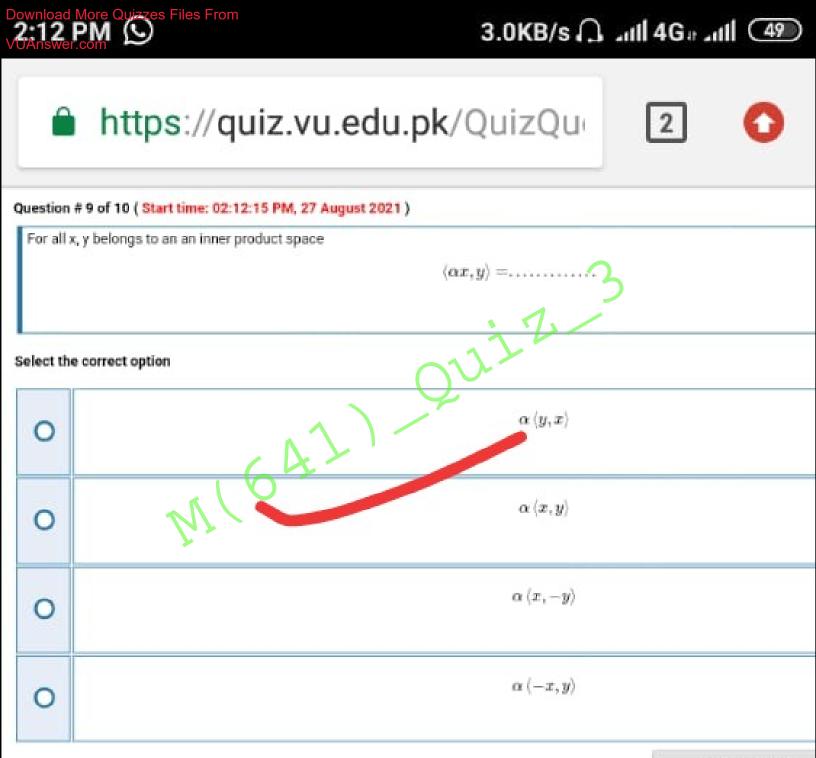


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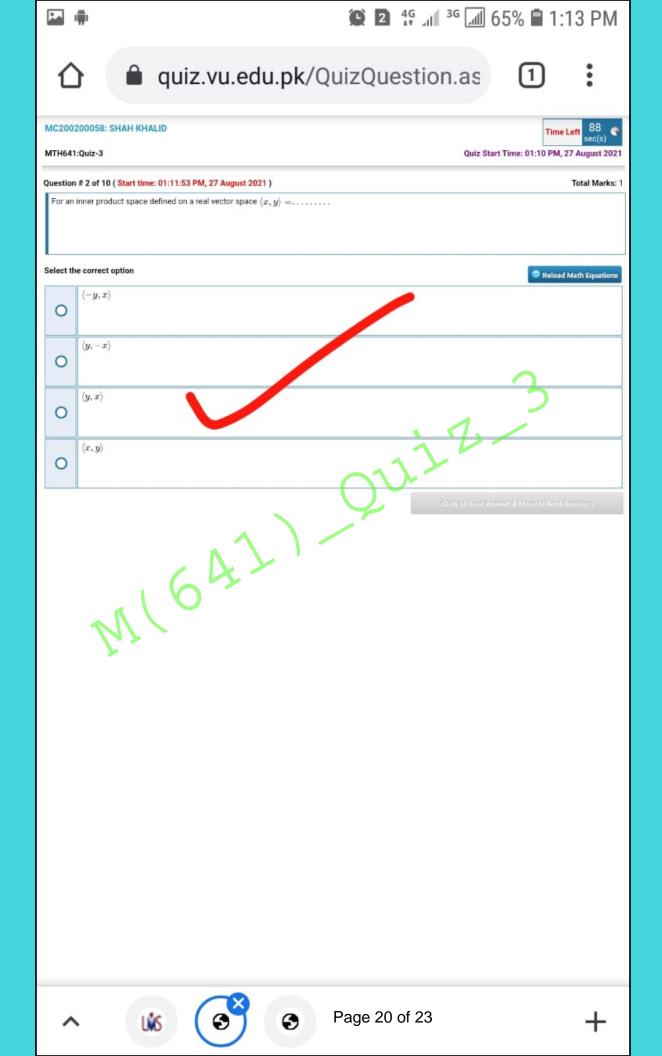
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MC200200058: SHAH KHALID	Time Left 88 ec(s)
MTH641:Quiz-3 Question # 5 of 10 (Start time: 01:14:49 PM, 27 August 2021)	Quiz Start Time: 01:10 PM, 27 August 2021 Total Marks: 1
In an inner product space X over the field of Complex numbers, for all ${ m x,y}$ \	
Select the correct option	Reload Math Equations
\circ $\langle \alpha x, y \rangle$	
O $\langle x, \overline{\alpha} y \rangle$	
\mathbf{O} $\overline{\alpha}\langle x,y\rangle$	Download More Quizzes Files From VUAnswer.com
O $\alpha \langle x, y \rangle$	0122
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MC200200058: SHAH KHALID MTH641:Quiz-3	Quiz Start Time: 01:10 PM, 27 August 2021
Question # 4 of 10 (Start time: 01:13:39 PM, 27 August 2021) In an inner product space X over the field $F_i\langle x,z angle=\langle y,z angle$	Total Marks: 1
Select the correct option	Reload Math Equations
$\bigcirc \Rightarrow x \neq y, \text{ for all } z \in X$	
O ⇒x#y, for all z∈X	
$ O \implies_{x=y, \text{ for all } z \in X} $. 1.
$ O \Rightarrow x=y, \text{ for some } z \in X $	0122
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MC200200058: SHAH KHALID	Time Left 88 sec(s) 🥌
MTH641:Quiz-3	Quiz Start Time: 01:10 PM, 27 August 2021
Question # 3 of 10 (Start time: 01:12:42 PM, 27 August 2021) Every Inner product space is a metric space with norm given by;	Total Marks: 1
Every ninet product space is a metric space with norm given by,	
Select the correct option	Reload Math Equations
O $d(x,y) = \sqrt{\langle x-y, x-y \rangle}$	
$O x-y = \sqrt{\langle x-y, x-y \rangle}$	
O All above are equivalent	Download More Quizzes Files From VUAnswer.com
$O d(x,y) = \ x - y\ $	011
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MC200	2200058: SHAH KHALID	Time Left 88 sec(s)
	11:Quiz-3	Quiz Start Time: 01:10 PM, 27 August 2021
In an li	n # 1 of 10 (Start time: 01:10:56 PM, 27 August 2021) Inner Product space say X , if the sequences $\{x_n\}$ $y_n\}$ are Cauchy, then $\langle x_n, y_n \rangle$ is	Total Marks: 1
Select th	he correct option	Reload Math Equations
0	necessarily a Cauchy Sequence in X	
0	not necessarily a Cauchy Sequence in X	
0	necessarily a Cauchy Sequence in F	Download More Quizzes Files From VUAnswer.com
0	not necessarily a Cauchy Sequence in ${\cal F}$	0122
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